



Project Reference:

COLLEGES & UNIVERSITIES

Chevron Energy Solutions

Kansas State University

Manhattan, Kansas

Performance Contracting with UtilityVision®



Project Size: 76 buildings, 4.8 million sq ft

Project Value: \$19.3 million

Source of Funds: State Bonds Program

Contract Terms: 17.5 years

Project Schedule:

Project Phase	Project Dates	
	Started	Completed
Comprehensive Energy Analysis	March 2002	November 2002
Design/Implementation	August 2003	August 2005
Monitoring	September 2005	August 2022

Guaranteed Annual Energy Savings: Year 1: \$1,497,000 energy (escalated by 1% annually)

Annual Non-Energy Savings: Year 1: \$133,000 O&M (escalated by 1% annually)

Achieved Summarized Savings: Not yet available

Baselines	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
Project Under Construction								
Year	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
1								

* Energy Savings + Non-Energy Savings = Total Annual Dollars Saved

Measurement and Verification: Option A for lighting, Option B for chiller plant and boiler plant, stipulated for water conservation, HVAC and others.

Comments: Less than 50% into construction. 4-19-04

For more information, contact: Steve Spurgeon, 800 475 3500 x3609
www.chevronenergy.com

List of Improvements:

- Boiler plant renovation
- Two chiller plant renovations
- Constant volume to VAV conversion
- Steam trap replacement program
- UtilityVision® utility monitoring system
- New windows
- RO boiler feed water treatment
- Ozone chiller condenser water treatment
- Pipe insulation
- Lighting renovations
- Domestic water conservation

Reference:

Dr. Ed Rice
Associate VP of Facilities
109 Dykstra Hall
Manhattan, KS 66506-0903
Tel 785 532 5967
Email erice@ksu.edu